Silicon Times Report
The Original Independent OnLine Magazine"
(Since 1987)

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The Publisher, Staff &
Editors

Florida Lotto - LottoMan v1.35
Results: 8/3/96: 3 of 6 numbers, no matches

From the Editor's Desk...

The Olympics are over and so is the era of folks believing the FBI is infallible. The manner in which the investigation in Atlanta has been conducted is something of a spectacle that's just shy of a Max Sennett film short. Its sad to see. However, it is reality. Now, the Feebs can go about their business normally. Instead of being considered the immediate solution of all problems.

On another front, the matter of truth in advertising is creating quite a flap among observers in many fields. Especially the advertising fields. They, the ad creators, had better pay attention. After all the Pepsico thing is bound to set some very startling precedents. Since when is it ok to spoof the public to sell a product? The Harrier Jet thing is merely the tip of the iceberg. Advertising agencies have, along with various corporate executives who're specifically involved, been taking some very liberal and dangerous liberties in presenting their advertising. Its time the nation's courts became involved before it all reverts back to the snake oil sales of days gone by. Its bad enough that the promotional and marketing gurus are allowed to colorize our fresh produce to make it more enticing but to outright lie in a commercial is a bit much. Pepsico got caught with their neck stuck out.

The next area of questionable advertising and product sales is in the computing industry. The Hardware and software sales "deals" are truly in need of the ultimate test. Bundle deals, are they really deals? Software support and update programs are they for real or merely delightful cash cows? We'll be looking at this picture in the next few weeks. Stay tuned. its going to get very interesting.

In the last twenty four hours. another of the, "Boy Who Cried Wolf", has appeared busily denouncing Microsoft's Personal WebServer etc. as being infested with security leaks. Hmm after careful examination, the alarm sounded by this "expert" proved to be a very false alarm. One can only wonder how many more will "jump up" taking cheap shots at MS in vain attempts at making a name for themselves. Gotta admit it does make for an interesting and diversified world though. Sorta reminds one of a set of Dice without all the dots!

Next Week. Building a Powerhouse Computer on a Budget!

Ralph...

Of Special Note:

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STReport is now ready to offer much more in the way of serving the Networks, Online Services and Internet's vast, fast growing site list and userbase. We now have our very own WEB/NewsGroup/FTP Site and although its in its early stages of construction, do stop by and have a look see. Since We've received numerous requests to receive STReport from a wide variety of Internet addressees, we were compelled to put together an Internet distribution/mailing list for those who wished to receive STReport on a regular basis, the file is ZIPPED, then UUENCODED. Unfortunately, we've also received a number of opinions that the UUENCODING was a real pain to deal with. So, as of October 01,1995, you'll be able to download STReport directly from our very own SERVER & WEB Site. While there, be sure to join our STR list.

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LATE BREAKING INDUSTRY-WIDE NEWS

Weekly Happenings in the Computer World

Compiled by: Dana P. Jacobson

Software Causes 19 Hour AOL Crash

America Online was shut down for 19 hours yesterday the worst blackout in the Vienna, Virginia, firm’s 11 year history apparently because of a problem with computer switches that route data from the external network that spans the country into AOL’s main network center. That problem seems to have been fixed, but "AOL said, however, that the root of the problem has yet to be determined and that the company would be studying the shutdown throughout the night," writer Jared Sandberg of The Wall Street Journal reports this morning.

The outage, which prevented any user from being able to get online with the service, began at 4 a.m. Eastern Time yesterday and continued until after 10 p.m. Sandberg said the company didn’t know how many of its members were trying to get online yesterday, adding AOL said the blackout won’t have a material financial impact. "But," adds the Journal, "AOL’s media partners, which receive royalty payments from AOL based on subscriber usage fees, will have missed a day’s worth of revenue. Moreover, the potential for damage to AOL’s reputation for reliability, which has suffered in previous smaller outages, could effect turnover among the company’s customers."

Says the Journal, "Company executives have said that among longtime users who leave the service, complaints concerning connection problems have been among the most frequently cited reasons for leaving." Meanwhile, AOL officials told the paper it will offer subscribers a credit of 3 percent of the $9.95 monthly fee it charges users, or 30 cents a customer. AOL Vice President Jean Villanueva told Sandberg that though the company has backup systems for various areas of the service, the affected internal network had no such "redundancy," adding she didn’t know by last night how many people called the

service to complain. "It was one of our busiest days."

Renewed Effort to Block Net Calls

A group of 175 small to mid sized long distance telephone companies is again asking to FCC to take action against firms that offer Internet based voice communications. Several companies currently offer software that allow users to make long distance calls over the Internet. Although the voice quality is far below that provided by standard telephone connections, users can place calls for only a fraction of the price demanded by long distance carriers.

Last March, the phone companies, organized as America's Carriers Telecommunication Association, petitioned the FCC to crack down on Internet vendors that offer voice communications products. The FCC has since indicated that it is in no hurry to address the issue, prompting the ACTA to issue an open letter to FCC Chairman Reed Hundt. "Whistling by the cemetery, Commissioner Hundt suggests that technology, competition and access charge reform will 'make the problem go away,'" states the letter, signed by ACTA General Counsel, Charles H. Helein. "If this were true, the Chairman seems to have written the need for his agency's involvement out of the picture.

If there is no need for the Commission's involvement in such issues as raised by Internet telephony, what is the purpose of having an 'expert' body to deal with such far reaching issues?" The ACTA contends that the FCC must not wait until Internet telephony "produces a more palpable impact on the nation's traditional communications infrastructure."

Decency Act to Get Quick Action

Legal analysts are predicting the U.S. Supreme Court will move quickly to review a new law regulating indecent material on the Internet now that a second panel of judges has found portions of the act unconstitutional. As reported, three New York federal judges have ruled the new Communications Decency Act was overly broad because it bans constitutionally protected indecent speech between adults while trying to shield children.

This is the second recent victory for the Net's free speech advocates. Last month, a federal panel in Philadelphia also ruled parts of the act to be unconstitutional, saying portions were too vague as well as too broad. This week's second ruling "makes it even more inevitable that the Supreme Court will take this quickly," attorney Steven Reiss of the New York firm Weil, Gotshal & Manges told reporter Gail Appleson of the Reuter News Service. "I would expect you would see an order this fall taking one of these cases." The earliest the court might announce if it will review either case or a combination of the two is the last week in September, a Supreme Court spokeswoman told the wire service.

"While it is difficult to predict how the high court will rule," says Appleson, "the fact that six judges see constitutional problems with the law does not bode well for its future. ... Lawyers said Monday's ruling was also significant because of the prominence of the panel members." The controversial Computer Decency Act of 1996 was passed overwhelmingly by Congress as part of the broader Telecommunications Act of 1996 and was signed by President Clinton on Feb. 8. Since lawmakers expected immediate constitutional challenges, they included provisions allowing hearings before special panels of federal judges, whose decisions can be appealed directly to the Supreme Court.

As reported, the U.S. Justice Department already has filed an appeal of the June ruling and has 20 days to act on the New York decision. A spokesman for

the Manhattan U.S. attorneys office told Appleson that prosecutors still are studying Monday’s ruling and could not comment on whether they might move to combine the cases.

IBM Upgrades Anti Virus Tool

IBM has announced an improved version of its IBM AntiVirus software. The company says its IBM AntiVirus 2.5 has been enhanced to provide safer, faster virus protection for the Internet, including the ability to scan Internet documents for viruses before they can infect a computer. The software provides protection from more than 8,000 strains of computer viruses, including the Concept virus and other Word macro viruses. Macro viruses, which infect macro programs embedded in documents, have emerged as a new and rising problem. The Concept virus, which infects Microsoft Word documents, was first seen less than a year ago and is now one of the most prevalent computer viruses in the world.

The desktop version of IBM AntiVirus 2.5, which runs on Windows 95, Windows 3.1, OS/2 Warp and DOS computers, is scheduled to become available in mid August for $49. A network version will ship at the same time. "Unlike other anti virus products that are limited to specific Web browsers and sold separately, IBM AntiVirus includes ’all in one’ Internet protection," says Steve Rosenblatt, worldwide segment manager for IBM AntiVirus.

Hare Virus Set to Strike

"Beware the Hare!" is the word from Cheyenne Software Inc., an anti virus software publisher based in Roslyn Heights, N.Y. The Hare virus is difficult to detect through traditional anti virus software and is considered a severe and highly destructive threat, says Cheyenne. The virus is set to strike on August 22nd and September 22nd. On these dates, Hare will destroy all data on an infected PC by overwriting the computer’s hard drive.

The Hare virus was first distributed over the Internet in May of this year. Since then, two other versions of the virus have also been distributed in files on a variety of Internet newsgroups. The Hare virus has been detected in the United States, Canada and Europe. Perhaps the most widespread posting of the Hare virus was in the pkzip300.exe file on the alt.comp.shareware newsgroup, says Cheyenne. Users unwittingly can infect their PCs by simply downloading and executing this file.

According to Cheyenne, Hare first infects the master boot sector of the PC and, when the PC is restarted, installs itself into memory, thereby contaminating .COM and .EXE files. Hare can avoid detection by traditional anti virus software by remaining dormant within infected files and slowly changing as it replicates. PCs infected with Hare will display the message "HDEuthanasia..." when the PC is restarted on August 22nd or September 22nd, says Cheyenne.

Hare will then overwrite the entire hard drive, deleting all data. After attempting to destroy all data on the PC, Hare returns to dormancy and may then replicate to any floppy diskette used to recover and reboot the damaged PC. "The Hare virus is one of the most complex viruses in the wild today," says Ian Whalley, editor of Virus Bulletin, a U.K. based computer security publication. "This virus will certainly present serious problems to users who come into contact with it and who do not have adequate protection installed on their systems."

Intruders Hit Scotland Yard

Scotland Yard reportedly has been targeted by computer vandals who broke into a security system to make international calls at the expense of London's famed metropolitan police headquarters. The Reuter News Service says a police spokesman would not confirm a report in the Times newspaper that said calls totalled $1.5 million, saying only the main computer network remained secure. Said the spokesman, "There is no question of any police information being accessed. This was an incident which was investigated by our fraud squad and by AT&T investigators in the U.S."

The Times said AT&T investigators were involved because most of the calls were to the United States. The newspaper reported the online vandals made use of a PBX call forwarding system that lets employees to make business calls from home at their employer's expense. "They dial a special number on the company switchboard," says Reuters, "followed by a pass code, and then the outside number they require." The police spokesman said the fraud loophole was stopped in March last year, adding the equipment had been supplied by a reputable firm and the matter was "subject to civil proceedings."

Did U.S. Spies Invade UK System?

London's top newspaper is reporting U.S. Secret Service agents broke into the computer systems of the European Parliament and the European Commission in a campaign to steal political and economic secrets.

The Sunday Times alleges security officials in Luxembourg have discovered the U.S. used the obtained information to help in negotiations last year on the General Agreement on Tariffs and Trade. The French Agence France Press International News Service quotes Lord Plumb, leader of Britain's Conservative members of the European Parliament, as saying he was shocked by the disclosure and "I will be taking this up directly with the American ambassador to the European Union."

The European parliament's computer system links about 5,000 MEPs, officials, researchers and other staff with the European Commission headquarters in Brussels and the Council of Ministers. Says AFP, "Suspicions were aroused when officials suspected the United States had advance information about confidential European Union positions in the GATT talks." An unidentified EU source told The Times, "It was established that the system had been penetrated just days before the talks. Our principal concern is not to establish what has already been copied but to ensure that it does not happen again."

Netscape, Microsoft Lock Horns

An unusual legal battle is shaping up between Microsoft Corp. and Netscape Communications Corp. over one of the Internet's hottest markets. Writing in The Wall Street Journal this morning, reporter Don Clark says the fight likely is "adding a new issue to competitors' complaints about Microsoft's businesses practices," because Netscape already has filed a complaint with the Justice Department. At issue is software used to set up World Wide Web sites and some controversial Microsoft licensing restrictions on the use of its Window NT operating system.

"Microsoft, Netscape and several other competitors are selling the so called Web server programs that run on computers that use Windows NT," Clark reports. Microsoft last week "sent a letter to Netscape demanding that it stop distributing a price comparison between the two companies' Web server programs." The Journal says the letter alleges the comparison suggests Web servers can be used with a low end version Windows NT designed for

workstations, potentially violating terms of Microsoft's licensing agreement.

The license provisions in quest "allow only 10 simultaneous electronic connections to Windows NT Workstation, a restriction designed to encourage people to use a more powerful version of the software that works on larger computers called servers that tie together multiple desktop computers," Clark notes. Microsoft's Web server software works only with Windows NT Server, and comes bundled with the product. Noting the workstation version of Windows NT sells for about $300, compared with about $1,000 for the server version, Clark reports, "Netscape and other competitors argue that customers can still pay less by using their Web server programs with Windows NT Workstation."

It seems like an arcane point, but Clark comments that the restrictions on Windows NT have attracted unusual attention "because of the industry's growing focus on the Web server market, and fears that Microsoft will unfairly shift its dominance from personal computer software to the Web." The paper says Microsoft originally planned to insert software code that would block more than 10 connections from a new workstation version of Windows NT, "but removed the code last month in response to complaints by competitors and some customers." Microsoft's letter disclosed by long time Microsoft foe, attorney Gary Reback gives Netscape until Aug. 15 to "cease and desist" its pricing comparison, but, the Journal points out, does not specify what it intends to do if Netscape does not comply.

Scientologists Settle Net Suit

A copyright dispute with an Internet provider that some say had many in the computer industry worried it might lead to restricted freedom of expression in cyberspace has been settled by the Church of Scientology.

Reporting from San Jose, California, The Associated Press says the church and Netcom On Line Communication Services have agreed not to discuss details of the out of court settlement reached Friday.

However, they did say the online service has posted a warning to its subscribers telling them not to use Netcom to "unlawfully distribute the intellectual property of others."

As reported earlier, the dispute arose when a former Scientology minister became a vocal church critic and posted some of the church's writings on private bulletin board to which Netcom arranged for its subscribers to have access. "One posting," says AP, "was a 17 page transcript of confidential lectures by Scientology founder L. Ron Hubbard. The Religious Technology Center, a wing of the church, claimed copyright infringement, saying many of its literary works are trade secrets. The church notified Netcom and the bulletin board operator about the alleged infringement, but neither did anything."

In February 1995, the church sued Netcom, the bulletin board operator and the user who posted the writings, 48 year old Dennis Erlich of Glendale, winning an order allowing its representatives to raid Erlich's home and seize Hubbard's copyrighted work. Subsequently, Netcom and the bulletin board's operator, Tom Klemesrud of North Hollywood, argued that they are only conduits for material and are in no position to screen all messages.

Last November, a federal judge ruled:

- Netcom and Klemesrud were not directly responsible for the copyright infringement.
- But that they may have contributed to the infringement by failing to remove the documents once they were informed of them.

The church has other lawsuits pending against Klemesrud and Erlich.

North Korea Alleges Net Blocking

The official news agency in North Korea is blasting its neighbors to the south for allegedly blocking its citizens' access to a new Internet page sponsored by Pyongyang. "What Seoul should block," says the Korean Central News Agency dispatch, "is not the North Korean Page but the U.S. channel dealing with methods of murder and robbery and pornographic scenes too shameful to watch." Reporting from Tokyo, United Press International says the KCNA report quoted researcher Kim Hyong sok of the Information and Culture Center of North Korea as saying the history of the Internet has seen no example of people being punished for monitoring certain sites.

Said Kim, "Such punishment would cause bitter condemnation from the international community." UPI reports, "Bristling with slogans about the 'great leader comrade Kim Il sung,' the Internet page has upset South Korean leaders, said KCNA, to the point of having access to the site banned." South Korean law specifically prohibits any newspapers or other publications from receiving KCNA services on the grounds of "national security." As reported, authorities in Seoul last June declared a Canadian university student's World Wide Web site on North Korea "subversive" and forbade 14 local computer networks from accessing it. Under South Korean law, it is a serious crime to "manufacture, import, copy, possess or distribute data that can benefit, eulogize or encourage the enemy."

Reached by UPI, a South Korean Embassy spokesman in Tokyo declined comment on the KCNA report but said the Canadian student closed the WWW page of his own volition. Says the wire service, "The two Koreas have technically remained in a state of war since the 1953 armistice that ended the Korean War and the Internet dispute is but the latest in a long history of jammed radio transmissions and other banning of data transmissions across the 38th parallel that divides the Communist North from the capitalist South."

Apple Unveils New Macs

Apple Computer Inc. today unveils new upgraded Macintosh computer models, introducing high end Power Macintoshes that include the firm's first multi processor machines and a new Macintosh Performa model.

The Reuter News Service characterizes this as "a bid to begin delivering on Chief Executive Gil Amelio's plan to bring value added products to market swiftly." The models are the first major products to be developed and brought to market under the leadership of Amelio, who took over in February, and his management team.

Editor Pieter Hartsook of the Hartsook Letter told the wire service this is "certainly important from a symbolic perspective because this is really the first introduction which Amelio and his crowd really had a hand in." The six new Power Macintosh models range from a model with a 120MHz PowerPC microprocessor up to a 9500/180 MP model, which is Apple's first multiprocessor model and priced at $5,699. The high end Power Macintosh 9500, priced at $4,899, is configured with a 200MHz chip.

Apple said its 132MHz Power Macintosh 7600 and 150MHz 8500, priced at $2,999 and $3,599, respectively, are available immediately with other models fully available in September. Reuters quotes Apple executives as saying there will be more Performa computers targeted at consumers before the end of the year, including some at price points below $2,000.

Macintosh Still Holds On

A new survey conducted by trade journal MacWEEK finds that Apple Computer Inc.’s Macintosh and Power Macintosh computers have attained a solid position as mainstream business platforms. The survey also finds that the machines also have a strong hold on creative niche applications such as graphic arts, Internet content development and multimedia. The MacWEEK 200 survey of largest Macintosh user sites finds that 98 percent of the sites are running business productivity applications on 25 percent of their Macs. In addition, 90 percent of the Macs at 81 percent of the surveyed sites are running business productivity applications.

"Clearly, reports of the Mac’s death are greatly exaggerated, to paraphrase Mark Twain’s famous quip," says Rick LePage, editor in chief of MacWEEK. "Our survey results this year confirm that the Mac now is more broadly established than ever as a business productivity tool, while it also continues to dominate its traditional creative niche markets as the computer platform of choice. Indeed, 71 percent of the MacWEEK 200 sites will spend between $50,000 and $2.4 million on Macs this year."

Upgraded Mac WordPerfect Unveiled

Corel Corp. has introduced Corel WordPerfect 3.5 for Macintosh and Power Macintosh, an updated version of the venerable word processing program. The new package includes a large collection of clip art, photos, sounds and fonts, along with MasterJuggler Pro, a font management utility. Language tools for writing in Spanish, French and German are also included.

"Corel is excited about the business prospects we see for supporting the Macintosh platform. We think the Mac will play a major role in our future," says Michael Cowpland, Corel’s president and CEO. "WordPerfect for Macintosh has traditionally given users greater choice and flexibility in utilizing new Apple technologies and Corel will continue to be the industry leader in word processing innovation." Corel WordPerfect 3.5 for Macintosh and Power Macintosh is expected to ship by the end of August for $295. Upgrades and competitive upgrades will be priced at $89.

Microsoft Offers New Windows NT

Some computer makers believe a new version of Microsoft Corp.’s Windows NT operating system could help spur new hardware sales to businesses. Associated Press writer Rory Marshall says Microsoft "is making a push for a bigger share of the market for systems that link numerous PCs into networks, and that can run more complicated programs than the typical home PC would use." Earlier this week Microsoft completed work Windows NT version 4.0 and sent it to manufacturing sites in advance of a formal introduction of the system today during a meeting with financial analysts. "Although Windows NT is not designed for home or consumer use," notes Marshall, "a key advance over previous versions is its adoption of the same appearance as Windows 95."

The recommended cost of the 4.0 server product will be about $1,000 for a computer that works with 10 other PCs, says Jonathan Roberts, a Microsoft marketing director. A desktop PC version, called Windows NT Workstation, will cost $319. In technical features, the new Windows NT "will put Microsoft on a more level footing with competitors such as Novell’s NetWare, IBM’s OS 2 and the various versions of Unix operating programs found in machines by IBM, Sun Microsystems and Hewlett Packard and others," Marshall comments. "Such programs are known by the technical label of ’32 bit’ for the size of instruction they permit."

Meanwhile, Roberts told AP that while Windows NT had a slow start when it first became available in 1993, the server product sold 450,000 units and workstation version just over 1 million units last year. Adds Marshall, "That's a reflection of how PCs, packed with more powerful processing chips, have been chosen to do jobs that were previously done by more expensive Unix workstations."

Intel Releases 150MHz Pentium

A 150MHz Pentium processor for mobile computers is being released by chipmaker Intel Corp., which is selling the new chip for $341 each in 1,000 unit quantities. Reporting from Intel's Santa Clara, California, headquarters, United Press International comments the announcement comes "at a time when Intel is trying to become more of a communications and computing company rather than only the maker of the microprocessors that power most of the world's personal computers."

The wire service says the development also fits in with Intel's strategy to turn PCs into a machine with far wider uses, thus expanding demand for new PCs and chips. The previous fastest Pentium chip designed to run mobile computers operates at a speed of 133 megahertz. Gateway 2000 and Packard Bell NEC both announced plans to use the new chip in notebooks, UPI reports.

PC World Publisher Starts Web Mag

PC World publisher IDG Communications Inc. says it will produce a monthly consumer magazine about the World Wide Web, starting next month. Called The Web, the magazine will have celebrity features and columns about the computer network and reviews of Web sites related to music, films, sex, politics, sports and other topics, says The Associated Press. IDG, which also publishes and several computer industry trade newspapers, "will aim the magazine at 25 to 45 year olds who are interested in the Web as an entertainment medium," the wire service says, noting the company's traditional rivals all are producing Web magazines for consumers.

CMP Publications Inc. publishes NetGuide magazine, Mecklermedia has Internet World, Ziff Davis has Internet Life and Newsweek publishes Virtual City. The Web publisher Greg Mason told the wire service he hopes the magazine will avoid the technology reviews and stories found in the other magazines, adding, "Our goal is to tell readers what's 'on tonight' and to help them spend their Web watching time and money efficiently."

Science Fiction Author Signs Deal

Science fiction superstar Alan Dean Foster has signed a long term deal with MagicMaker Inc. of Palo Alto, California, to create literary works that mix interactive and online media. Michelle Kraus, MagicMaker's CEO, says Foster will create stories for several properties due in late 1996 and 1997 as online and multiplayer interactive media. The initial title will be available on CD ROM in early 1997. Sequels will begin appearing soon thereafter, together with books, soundtracks and other merchandise.

"I called this best selling author out of the blue and said, I want to come and show you the future of entertainment and I want you to be a part of it," says Kraus. Adds Foster, "When Michelle came to visit me in the desert, I found her vision of where the company and its products were headed compelling. It offered a creative challenge that I could not turn down. In the future, I see MagicMaker's new products as only the beginning of a long and fruitful creative partnership." Alan Dean Foster is one of the world's

best selling science fiction authors. He produced novelizations of Star Wars, the three Alien films and Alien Nation. He also created the treatment for the first Star Trek movie.

Sanyo Offers New Notebook

A new notebook PC featuring high speed microprocessors and a 2.1 gigabyte hard disk drive is being introduced today in Japan by Sanyo Electric Co. Reporting from Tokyo, the Dow Jones news service says the new product, called Winkey, is Sanyo Electric's "latest foray in an increasingly competitive market which has seen several rivals announce new products in the last few months." Sanyo officials told the wire service the product is set to go on sale in Japan Aug. 31 and it has no plans yet to sell the product abroad. The new notebook features Pentium microprocessors with processor speed of 150MHz. They also have an eight speed internal CD ROM drive, making them the fastest on the market.

Acer Offers Machine Under $1,000

Acer America Corp. has followed AST Research Inc.'s lead to become the second major PC maker offering a personal computer for just under $1,000. Targeting college students and families with children in school, Acer calls the new system Acer Back to School Aspire, says The Associated Press, which adds that the price does not include a monitor, which costs $300 to $400 more.

AP says the machine comes in the emerald and charcoal casing that has distinguished Acer PCs for a year and uses an 100MHz microprocessor, 8MB of main memory and a 1 gigabyte hard drive. It has a 14,400 bits per second modem and video and sound enhancing features. "Most PCs start at around $1,500 and offer slightly more power than the Acer Back to School Aspire," AP notes. "For example, computer stores in New York now charge about $1,500 for a PC with a 133 MHz microprocessor and 16 megabytes of main memory." AST is offering a $999 PC through Wal Mart that includes a monitor. However, the machine is less powerful, using a 486 class chip, AP notes.

Net Seen as Expensive, Exclusive

The Internet will become an increasingly expensive and exclusive medium, says cyberspace expert Robert Silverman, a senior writer for Inside Media magazine. "As bandwidth increases, the cost of providing and receiving content rich with audio and video will increase," said Silverman during a debate at the Cyberspace and the American Dream Conference in Aspen, Colorado. "Telephone modems already are being replaced with more expensive cable modems, which will give way to still pricier fiber optics all to better capture content. Meanwhile, content providers will be spending more and more on technology to provide that richer content. The inescapable fact is that accessing the Net will become considerably more expensive both for end users and providers."

Silverman predicted the high cost of Internet technology will act as a barrier to many on the lower end of the economic scale. "Indeed, some of the larger content providers already are talking about and enforcing 'gated communities' on the Infobahn," noted Silverman. "And even those with the economic and technological wherewithal to make full use of Net will have to pay subscription fees for the better sites. "Of course, these 'gated communities' also will have their 'housing project' brethren," Silverman added, stressing the inherent inequities such a paradigm would invoke. The Great Equalizer? "That the Net politically empowers the little guy is also a myth," said Silverman. "The ruling elite remain as distant as ever, regardless if they are online or off line."

Dataquest Lowers Win95 Forecast

Windows 95 is on pace to become the No. 1 shipped operating system in 1996, but Dataquest Inc. has reduced it's forecast for Microsoft's operating system considerably. The San Jose, California based market researcher forecasts that shipments of Windows 95 will reach 45.7 million units in 1996, down 27 percent from predictions made earlier this year. As it turns out, Microsoft's biggest competitor is itself. Dataquest is lowering it's estimate for Windows 95 because of the continuing success of Windows 3.1x.

Earlier this year, Dataquest forecast that Windows 3.1x shipments would shrink to 9.5 million units in 1996, but because of the demand for the operating system in the first half of this year, Dataquest now expects shipments to only fall to 20.9 million units this year. "Large and medium size companies are driving the continuing strong demand for Windows 3.1x," says Chris Le Tocq, director and principal analyst of Dataquest's personal computing software program. "IS managers' initial aggressive upgrade plans have become a deferred 32 bit decision, driven by high expectations for Windows NT 4.0 and an assessment that Windows 95 is an interim desktop solution, a stepping stone to Windows NT."

Mac Still Leads in Schools

New market research shows that Apple Computer Inc.'s Macintosh is the leading computer platform in the public kindergarten through high school market, and the one most educators intend to buy in the coming school year. According to Quality Education Data, the Macintosh now accounts for 41 percent of the computers in the K 12 public education market, up five points from last year. Vintage Apple II computers account for 20 percent of the installed base, bringing Apple's total share of computers in U.S. K 12 public schools to 61 percent.

QED indicates that as the installed base of Apple IIs is replaced, educators have turned to the multimedia rich Macintosh. It shows Macintosh as the computer of choice for more than half (55 percent) of all intended school purchases in 1996 97. This is more than seven times the number of computers educators plan to buy from the next most mentioned brands, IBM and Compaq, each with 7 percent. "There is no doubt that the preference for Macintosh remains strong in the K 12 market," says QED president Jeanne Hayes. "Our research clearly shows that Macintosh is by far the preferred computer platform in the education market. The majority of school districts plan their technology futures around this platform."

Poll Finds Mom Is Key to Home PC

Mothers play an important role in the purchasing of computers and software for their families in some cases, a greater role than fathers says a new survey. FamilyPC magazine, which conducted the research, says in a statement, "The process of buying computers and software for families is highly collaborative. Mothers and fathers play a dual role in this process, often aided by their children. When it comes to buying software for children, mothers play the leading role." The study found:

´• When it comes to buying software, three or four different family members play a role in the process.
´• In buying a PC for the family, the decision making is usually done by both mother and father, with children being the motivator for such a purcha
se
by expressing the need or desire to have a PC.
´• Reviews in computer magazines, magazine awards and magazine advertising

are the most important factors when these families are in the market to purchase software. Recommendations and advice from others are also very important. When the respondents buy a PC, the key considerations are produ
ct
features such as 24 hour technical support, the reputation of the manufacturer and the software bundle.

Net Bomb Injures Two Youths

Two boys, ages 11 and 13, are recovering today from burns suffered when a "napalm bomb" they learned how to make on the Internet blew up in their faces. Reporting from North Attleboro, Massachusetts, 30 miles south of Boston, United Press International quotes police as saying the youngsters were cooking a combination of soap shavings and gasoline on a kitchen stove when the concoction burst into flames Tuesday morning.

The younger boy, Scott Landry, escaped with only minor burns, but his friend Michael Caponigrow was rushed to the Shriners Burns Institute in Boston with burns over 11 percent of his body. He was listed in fair condition last night. In a frantic 911 emergency call from his family's home, Landry told police he and Caponigrow got the recipe from an Internet site that told them in detail how to make the device. He shouted over the phone, "Help! There's fire in the house. I could die."

Police told UPI that investigators are trying to track down the author of the online data "and find out how such dangerous information ever made its way onto the worldwide computer network." Landry's mother told police the formula had been spotted by her 14 year old son, who passed on the information to his brother.
Town Police Chief John Doyle told the wire service the boys had planned to use the homemade explosive "to blow up some rocks or something," adding, "I don't even think they know what napalm is," referring to the highly flammable chemical used to bomb enemy targets during the Vietnam War.

E TRADE Unveils Upgraded Site

E TRADE Securities Inc. today announced a major upgrade of its CompuServe based online trading service. The revamped site includes a new look with point and click access to all trading services, as well as current news, price graphs and company reports for individual investors. In addition to the new look and functionality, E TRADE's users may also continue to trade securities through E TRADE's menu driven interface.

The new trading service enhancements include strategically placed direct links to online help, such as instructions on how to enter a stock order or how to add money to an account. Other new features will include access to breaking news and price charts on more than 12,000 stocks. E TRADE users can also tap into a wide array of fundamental and historical information and earnings forecasts. Users can create personal Stock Watch lists that automatically link them to this information. The new interface also takes advantage of the capabilities of the Netscape Navigator browser that CompuServe members can now download without connect time charges.

E TRADE users can choose from a vast array of financial services that allow individual investors to easily identify investment opportunities, research those opportunities, execute transactions 24 hours a day and monitor the results of their investment decisions. "E TRADE has been a leading provider of cost effective, round the clock online trading services for more than four years to CompuServe members," says Scott Kauffman, CompuServe's vice president for online services. "These new enhancements will make trading

online even easier and provide the trading information, online help and other value added services that CompuServe is committed to giving our customers."

Foster Returns to Head Stratus

Stratus Computer Inc. founder/chairman Bill Foster is returning to the post of CEO as well, replacing Gary Haroian at the helm of the Marlboro, Massachusetts, firm. "Gary and I have had some philosophical differences over the long term direction of the company," Foster said in a prepared statement. "Because of this, Gary has decided to leave Stratus to pursue other business interests." Foster added Haroian "has made innumerable contributions to Stratus over his 13 years with the company," adding, "Much of our success has been due to his hard work and dedication, and I know a very successful future is ahead of him."

CD ROM’s End in Sight

CD ROM’s days are numbered, finds market researcher International Data Corp., which reports that the technology is about to be blind sided by the new kid on the block DVD (digital video disk). According to IDC, worldwide DVD ROM unit shipments will surpass CD ROM by the year 2000, climbing to 117.6 million in 2001. With this expected growth, DVD is well on its way to becoming the next dominant technology in the removable storage market, says IDC. "There appears to be a high level of DVD awareness among software publishers," says Crawford Del Prete, IDC’s vice president of storage research. "We expect over 13 percent of all software will be available in DVD format by the end of 1998."

For Immediate Release

Corel Updates and Re-releases
Corelr WordPerfectr 3.5 for Macintosh

OTTAWA, Canada -August 8, 1996-Corel Corporation and its subsidiaries are pleased to announce the updated version of Corelr WordPerfectr 3.5 for Macintoshr and Power MacintoshT. The new Corel version includes a large collection of popular clipart, photos, sounds and fonts, along with MasterJuggler ProT, the comprehensive font management utility. Language tools for writing in Spanish, French and German are also included. The product is expected to ship by the end of August.

Corel WordPerfect 3.5 is an updated version of the two time Eddy award-winning WordPerfect 3.5, previously shipped by Novell, Inc. WordPerfect was the first word processor to ship as accelerated for Power Macintosh and is an established leader in support for Appler technologies. "Corel is excited about the business prospects we see for supporting the Macintosh platform. We think the Mac will play a major role in our future," said Dr. Michael Cowpland, president and chief executive officer of Corel Corporation. "WordPerfect for Macintosh has traditionally given users greater choice and flexibility in utilizing new Apple technologies and Corel will continue to be the industry leader in word processing innovation."

The new Corel package includes a collection of more than 150 TrueTyper fonts, 5400 clip art images, 187 textures, 67 sounds and 200 stock photos. For managing new fonts and sounds, MasterJugglerT 2.0 Pro, the comprehensive font, sound and desk accessory utility, is also provided. Spanish, French and German language tools including a spell checker and thesaurus -

previously sold separately - are now also included in the new Corel package. To continue helping users put the Internet to work, Corel has included the updated Netscape NavigatorT browser version 2.02. Updated HTML features include an HTML button bar and macros for creating custom HTML forms and borders. Also, the HTML export now converts PICT images to JPEG format for easy viewing on the World Wide Web.

Corel WordPerfect 3.5 easily converts many popular document types including Microsoftr Word versions 4, 5, and 6, RTF (Rich Text Format) and Corel WordPerfect 7 for Windows 95. A non-WordPerfect document can be opened directly from the desktop into WordPerfect via support for Macintosh Easy Open. Additional document types can be converted through support for XTND and MacLink Plus conversion filters.

Highlights of Corel WordPerfect 3.5 include:

- Updated ruler interface
- Print Envelope Feature
- Automated Templates
- Make It FitT
- Text to Speech with MacinTalkT (System 7.5 only)
- Bookmarks with hyperlinks
- Internet Publishing Tools, with HTML import and export

Future Development

Corel is committed to providing Macintosh users with word processing innovation by continuing its leadership in support of new Macintosh technologies, attention to the Macintosh interface and strong commitment to the Macintosh platform. Corel WordPerfect 3.5 for Macintosh will continue to set new standards for Macintosh business applications and add support for OpenDoc functionality and Macintosh OS 8 in future releases of Corel WordPerfect for Macintosh.

Pricing

Corel WordPerfect 3.5 for Macintosh is available for a suggested retail price of $249 US. WordPerfect users may upgrade for a suggested retail price of $89 US, with competitive upgrades available for the same price. Qualifying products include, but are not limited to, Microsoft Word, MacWrite Pro, Claris Works, Nisus Writer, Now Write, and Full Write. Current WordPerfect 3.5 users will be able to download an update installer from the Corel web site (www.corel.com), America Online, CompuServe, FTP, or Corel’s BBS. The update installer will only update current versions of 3.5 and does not include the new fonts, graphics, sounds, or MasterJuggler Pro font utility.

System Requirements

For Macintosh computers, Corel WordPerfect 3.5 will require a minimum configuration of a Macintosh II, LC or above, System 7.0 or above, 2 MB of RAM, and will use at least 6 MB of disk space for a minimum install and 16 MB for a standard install. For Power Macintosh computers, Corel WordPerfect 3.5 requires 5 MB of RAM, System 7.1 or above (System 7.5 recommended), and will use at least 6 MB of disk space for a minimum install and 16 MB for a standard install.

Customer Support

Corel is the only software vendor to offer free, unlimited technical support (toll charges apply) for the life of the product. (Life of the product is defined as the time between product introduction-up to and including-six months after product is no longer sold by Corel). WordPerfect for Macintosh support can be reached at (801) 765-4020.

Corel also offers these additional support options:

´• IVAN: Corel’s Interactive Voice Answering Network provides customers with instant access to the most current product information available. Customer can obtain this service 24-hours a day, 365 days a year by calling

(801) 765-4038. (Toll charges apply)

´• Bulletin Board Service (BBS): A 24-hour product information and program file resource that may be accessed at the following number: (801) 221-5197.

For an explanation of how to access and use the BBS, call (801) 765-4033.

´• Fax on Demand Service: Customers may obtain faxed information by calling (801) 765-4037.

´• Searchable Knowledge Base: Access the same knowledge base used by Corel’s own customer support department to find "how to" information and solutions for known problems. Available on the World Wide Web at http://www.corel.com/support.

´• WPMac News: This monthly online newsletter is written by Corel’s WordPerfect Macintosh support team. Each month they share tips & tricks, wo rk

arounds, discuss common calls, and highlight a new feature each month. This

informative newsletter may be found at http://www.corel.com/wpmacnews, or download on America Online (keyword = WordPerfect) or CompuServe (GO WPMAC) .

Other Corel Products for Macintosh

In addition to Corel WordPerfect 3.5 for Macintosh, Corel Corporation has more than 30 Macintosh titles on the market today and will soon ship CorelDRAWT 6 for Macintosh. Also coming soon to the Macintosh platform is one of the top selling consumer titles on the market, Corel Print HouseT, along with CorelVIDEOT for desktop video and video conferencing.

Corel Corporation

Incorporated in 1985, Corel Corporation is recognized internationally as an award-winning developer and marketer of productivity applications, graphics and multimedia software. Corel’s product line includes CorelDRAWT, the Corel WordPerfect Suite and Corel WordPerfect Suite 7, Corel Office Professional, CoreIVIDEOT and over 30 multimedia software titles. Corel’s products run on most operating systems, including: Windows, Macintosh, UNIX, MS-DOS and OS/2 and are consistently rated among the strongest in the industry. The company ships its products in over 17 languages through a network of more than 160 distributors in 70 countries world-wide. Corel is traded on the Toronto Stock Exchange (symbol: COS) and on NASDAQ-National Market System (symbol:COSFF). For more information visit Corel’s home page on the Internet at http://www.corel.com.

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Special Notice!! STR Infofile File format Requirements for Articles

File Format for STReport

All articles submitted to STReport for publication must be sent in the following format. Please use the format requested. Any files received that do not conform will not be used. The article must be in an importable word processor format for Word 7.0.. The margins are .05" left and 1.0" Monospaced fonts are not to be used. Please use proportional fonting only and at eleven points.

´• No Indenting on any paragraphs!!
´• No Indenting of any lines or "special gimmickery"
´• No underlining!
´• Columns shall be achieved through the use of tabs only. Or, column format in Word 6-7 Do NOT use the space bar.
´• No ASCII "ART"!!
´• There is no limits as to size, articles may be split into two if lengthy
´• Actual Artwork should be in GIF, PCX, JPG, TIF, BMP, WMF file formats
´• Artwork (pictures, graphs, charts, etc.)should be sent along with the article separately
´• Please use a single font only in an article. TTF CG Times 12pt. is preferred. (VERY Strong Hint)

If there are any questions please use either E-Mail or call. On another note. the ASCII version of STReport is fast approaching the "end of the line" As the major Online Services move away from ASCII.. So shall STReport. All in the name of progress and improved readability. The amount of reader mail expressing a preference for our Adobe PDF enhanced issue is running approximately 15 to 1 over the ASCII edition. Besides, STReport will not be caught in the old, worn out "downward compatibility dodge" we must move forward. However, if the ASCII readership remains as high, rest assured. ASCII will stay. Right now, since STReport is offered on a number of closed major corporate networks as "required" Monday Morning reading.. Our ascii readers have nothing to worry themselves about.

Many grateful thanks in advance for your enthusiastic co-operation and input.

Ralph F. Mariano, Editor
STReport International Online Magazine

EDUPAGE STR Focus Keeping the users informed

Edupage

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U.S. YIELDS TO JAPAN ON OVERSIGHT OF JAPANESE CHIP IMPORTS

American trade negotiators gave in to Japan's insistence that the U.S. cease trying to provide oversight of Japanese imports. In any event, most analysts think that such bilateral pacts are no longer relevant to the chip industry, which economic forces have made more competitive (with countries such as Taiwan and China now prominent in chip manufacture) and at the same time more cooperative (with companies in various nations working together to develop new chips). In 1986 the trade agreement called for Japan to import 20% of its chips; now one-third of all its chip purchases are imported. (Atlanta Journal-Constitution 3 Aug 96 D3)

RADIO IDENTIFICATION CHIPS COULD REPLACE SOME BAR CODES

Chipmaker Micron Technology of Boise, Idaho, has developed a "radio identification" chip likely to replace the traditional product bar code for such uses as remote tracking of shipping containers. With support from the Federal Aviation Agency, the company plans to develop an airline luggage security system that would use the new chips to track every package on an airplane, identify its owner, and call attention to possible bombs in packages not properly identified. The chips are expected to be produced for less than $1 each. (Wall Street Journal 2 Aug 96 B3)

NEW APPLE COMPUTERS TARGET HIGH-END USERS

With Apple's new Macintosh computers priced as much as $1,000 more than competing PCs based on Intel chips and Microsoft Windows operating system , Apple is following through on chief executive Gil Amelio's plan to concentrate on the needs of specialized high-end users such as professional graphics designers. The new machines will range from $2500 for a home unit to $5700 for a system with two PowerPC microprocessors to take advantage of Apple's next-generation operating system's ability to have a task worked on simultaneously by two separate chips. (Wall Street Journal 2 Aug 96 B3)

WILL GATES BE THE "WINTEL GORBACHEV"?

Red Herring magazine < http://www.herring.com/mag/issue34/letter.html > urges Microsoft's Bill Gates to use a cross platform architecture for the company's ActiveX software, arguing that "ActiveX is the right language for the Intranet and for useful pages on the World Wide Web" but that "Java is the right language for the emerging market of digital devices that will be attached -- in ways that are still mysterious -- to the Internet... In other words, Java is perfect for what it was originally designed for: the embedded systems inside smart telephones, faxes, printers, set-top boxes, and non-standard devices." The magazine admits that Gates could become "the Wintel Gorbachev" by following its advice, but insists that Microsoft would be foolish to hold onto proprietary standards too long. (Red Herring Aug 96)

UTILITIES COMMISSION SAYS: ONE AREA, ONE AREA CODE

Pacific Bell, the principal unit of the Pacific Telesis telephone group, failed to get permission from the California Public Utilities Commission to overlay new area codes in a geographical area on top of existing ones to meet the burgeoning demand for new numbers caused by dramatically rising numbers of fax machines, cellular phones, and pagers. PacBell rivals such as AT&T and MCI said that overlays are anti-competitive, and the Commission decided to continue dividing up overcrowded area codes into new areas and forcing some customers to change their three-digit codes. (Los Angeles Times 3 Aug 96)

NINTENDO'S HOPES BUILT ON NEW GAME PLAYER

Nintendo is hoping to reestablish its superiority in video games with its new 64-bit microprocessor designed by Silicon Graphics. The system features fully rounded figures that can turn on their heels, rotating realistically through 180-degrees on screen. Both of Nintendo's major competitors, Sega and Sony, are thought to be losing money on each of the 32-bit machines they sell, but making up their losses with royalties on sales of games that run on them. (Economist 3 Aug 96)

APPLE OFFERS WEB SEARCH SYSTEM FOR PERFORMAs

Apple has developed a user-friendly Web search capability called Personalized Internet Launcher for its 180 and 200 megahertz Performa computers. The systems also offer built-in blocking software from SurfWatch, a Web authoring tool for children, and a bundled browser from Netscape. Existing Apple owners can go to
< http://myhome.apple.com > to obtain the software. (Interactive Age 2 Aug 96)

GASOLINE WANTS TO BE FREE

Author James Gleick says that the opponents of online copyright tend to be people who have never tried to make a living from their writing. "The writing of professors is subsidized. The new millions of impromptu Web publishers have a different mentality, too; their work is rarely for pay, and they are delighted if it is noticed and passed along." Dismissing the slogan "Information wants to be free" as equivalent to the sentences "I want information to be free ... and I want gasoline to be free," Gleick says the best way to promote knowledge is to let people profit from the intellectual products they create. (New York Times Magazine 4 Aug 96 p16)

SCIENTOLOGY AND NETCOM SETTLE COPYRIGHT SUIT

An out-of-court settlement closes the lawsuit the Church of Scientology brought against Netcom, an Internet services provider, after an individual hostile to the church posted to a Netcom private bulletin board a document for which the Church claimed to hold a copyright. In late 1995 a federal judge ruled that Netcom and the bulletin board operator did not themselves violate the Church's copyright but may have contributed to the infringement by failing to remove the documents once they were told that copyrighted documents had been posted on their systems. Netcom will now warn its subscribers not to "unlawfully distribute the intellectual property of others." (Investor's Business Daily 6 Aug 96 A9) Internet personality Howard Rheingold says: "I would hate to see Netcom to be put in the position of having to police the material posted on its service. You can sue a publisher for libel but of course you shouldn't be able to sue the bookstore." (Washington Post 5 Aug 96 A11)

COMPAQ TARGETS WORKSTATION MARKET

No. 1 PC maker Compaq is getting into the workstation business, posing a direct challenge to companies such as Sun and Hewlett-Packard, which

dominate the market. Compaq's workstations, which will be unveiled later this year, will be based on Pentium Pro chips from Intel and Microsoft's Windows NT software. Sun, HP, Digital Equipment, Silicon Graphics, and IBM currently use different, proprietary chips in their workstation designs. Compaq's latest move is expected to put pressure on other workstation manufacturers to lower their prices and make machines that are easier to integrate into office systems that already use Intel-based PCs. The company has not said how much these machines will cost. (Investor's Business Daily 6 Aug 96)

MICROSOFT HOPES ITS TALISMAN WILL WORK MAGIC

Some industry observers are saying that Microsoft's two-year microchip research project is bearing fruit, in the form of Talisman -- a chip that delivers fast, realistic graphics using a $300 PC circuit board. The new chip will be marketed as a way of enabling PC owners to produce graphics similar in quality to those produced by 150,000 Silicon Graphics workstations, resulting in a proliferation of animated, online, storefront and other applications. One research industry president calls Talisman "fabulous," and predicts it will inspire "killer" applications by 1998. (Wall Street Journal 6 Aug 96 B4)

INTEL FOCUSES ON HYBRID APPLICATIONS

Intel is turning toward hybrid applications to bridge the gap between today's computer network capacity and the futuristic expectation of unlimited bandwidth. "The myth of the Internet is that there is plenty of bandwidth," says Intel CEO Andy Grove. "The hybrid application is what we will use for a long time to overcome the limits of the available bandwidth." Such applications involve, for instance, ways of compressing and downloading data via telephone lines and then storing that data on a PC hard drive for accessing later. In addition, Intel is developing Intercast technology, which uses the television signal's vertical blanking interval to transmit a limited amount of digital data. (Wall Street Journal 6 Aug 96 B12)

IBM AND MERCEDES TEAM UP ON AUTO ELECTRONICS

IBM and Mercedes-Benz will jointly work on development of an advanced electronics system to monitor and control such automobile systems as lights, engine, and climate control for the car's interior. The plan calls for drivers to be connected eventually to the Internet for access to electronic mail, driving condition reports, and road directions. (USA Today 6 Aug 96 1B)

"SMART PHONE" COMPANIES MERGE TO FORM TRITECH CORP.

U.S. Order Inc. and Colonial Data Technologies Corporation are merging to form Tritech Corporation, which will pursue a strategy of providing a "complete system," including phones, networks and services. Tritech's chief executive officer says: "There are a lot of people saying, 'Here is a screen phone, go do something with it. But a market doesn't just need hardware, it needs end-to-end solutions." (New York Times 6 Aug 96 C2)

CAIRO TO HAVE "ANNUITY" UPGRADE MODEL

Microsoft says that its next-generation object-oriented operating system, code-named Cairo, will follow an "annuity" upgrade model rather than rely on rolling out all-in-one upgrade packages, such as Windows 95. The company also plans to start promoting annuity programs for various other products. (Computerworld 5 Aug 96 p93)

IBM PLANS $2 BILLION INVESTMENT IN CHINA

Between now and the end of the decade IBM will invest $2 billion in China, a country in which it now has 11% of the PC market. (Computer Industry Daily 6 Aug 96)

A PC FOR THE LIVING ROOM

Asked about the new Simply Interactive Personal Computer (SIPC) that Intel and Microsoft are working on, Intel chief executive Andy Grove explains that "it's the entertainmentization of the personal computer: a set of design concepts that move the personal computer to the center of the living room. It's only confusing because it comes at the same time as network computer stuff. It helps to remember that PCs in homes are in the den and in the study, not in the living room. What we are asking is: 'How do we get these things in the living room?'" (Red Herring Aug 96 p82)

MICROSOFT, NETSCAPE ESCALATE BROWSER BATTLES

Microsoft and Netscape Communications have extended their browser war to two fronts: the marketplace and the courtroom. Lawyers for Netscape have complained to the Justice Department over licensing restrictions that Microsoft places on its Windows NT operating system, and Microsoft lawyers last week sent a letter to Netscape demanding that it stop distributing a price comparison between the two companies' Web server programs. "Netscape has already caused irreparable harm to Microsoft, and further publication of the deceptive information will only compound the damage," says the letter. "This is their lawyers trying to intimidate a small company," responds Netscape's attorney. "It's just very strange conduct by a monopolist." (Wall Street Journal 7 Aug 96 B5)

MCI TESTS NEWS DISTRIBUTION VIA COMPUTER

MCI is funding trials at 20 television stations around the country of a system that allows NBC to distribute TV news and program promotion spots to its affiliates by computer. The system is designed to replace satellite feeds for most purposes, and is being tested at 20 stations. MCI is now trying to persuade other television networks to move to computer-based distribution and retrieval of news video. ''It's literally video on demand. I can call it up as available,'' says a news director at one NBC affiliate station. (Investor's Business Daily 7 Aug 96)

AT&T SELLS GAME SERVICE TO AOL

AT&T has sold its ImagiNation Network online game service to America Online for an undisclosed sum, rumored to be less than the $40 million that AT&T paid for it in 1994. The network allows game enthusiasts to play each other online, regardless of geographic location. "While gaming is an attractive segment, it's not one that's consistent with our strategy," says an AT&T spokesman. ImagiNation plans to introduce a newly packaged Windows 95-compatible collection of games later this year. (Washington Post 7 Aug 96 F2)

MICROSOFT SUES IRS FOR EXPORT TAX BENEFITS

Microsoft has filed a lawsuit against the Internal Revenue Service, in an effort to recoup about $19 million paid as part of the company's 1990 and 1991 tax returns. The legal action ups the ante in the software industry's bid for favorable treatment under a 1984 law that allows businesses to set up foreign sales corporations, hereby exempting 15% of their export income from U.S. taxes. Similar industries, including exporters of films, tapes and records, have benefited from the 1984 provision. The software industry has said it would save about $200 million over five years if it were allowed the same protections. (Wall Street Journal 8 Aug 96 B4)

AOL GOES AWOL

America Online went off-line yesterday, stranding more than 6 million subscribers in the real world of snail mail and "sneakernet," as one consultant who depends on e-mail described it. The AOL computers were shut down at 4:00 a.m. for routine maintenance, and then were unable to resume

function at the scheduled 7:00 a.m. power-up. While some people took the outage with a dose of philosophy, others predicted this event was the harbinger of more trouble in cyberspace. "Clearly the longer-term goal has to be for the Internet to become more like the phone system is today," in terms of reliability, says a director for AT&T's WorldNet service. "The likely scenario is increasingly calamitous breakdowns," predicts an industry columnist. Meanwhile, AOL CEO Steve Case expressed his regret over the inconvenience via conventional news release. (Washington Post 8 Aug 96 A1)

PHONE AND CABLE CONVERGENCE IN CANADA

Canada's Cabinet endorsed a policy allowing cable and phone companies to compete, but phone companies seem less excited about being in the cable business than they were four years ago, and cable companies seem to be concluding that the phone business is not as simple as they thought.

CLINTON ON EDUCATION/TECHNOLOGY JOINT VENTURES

In an election-year visit to Silicon Valley, President Clinton gave a speech at a San Jose middle school praising the joint efforts of educators and high-tech business leaders to reform education. All participating schools in the "Challenge 2000" project are required to integrate technology into their plans, which in many cases include the use of computer networking to allow students to communicate with mentors in the business community. (San Jose Mercury News 8 Aug 96)

LOOK DOWN AT YOUR COMPUTER

Health writer Jane Brody says you should position your computer so that the center of the screen is four to nine inches below eye level and a little farther away than the normal reading distance, and should keep reference material close to the screen, perhaps on a screen mount. Wipe the screen often with an antistatic cloth; minimize glare on the screen; and reduce the brightness of the room lighting or use a three-sided computer or filter. (New York Times 7 Aug 96 B6)

CYBERGANGS

The head of the gang task force for the Arizona Department of Public Safety reports that a Web site established in Detroit offers a how-to guide for gangster wannabes and is urging gang members everywhere to unite under its umbrella to form the first cyberspace gang. The official says: "Now it's in your home, your living room, your den... Unfortunately, these guys can talk about anything they want and there's nothing law enforcement can do about it." (Atlanta Journal-Constitution 8 Aug 96 F3)

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Technical support is provided by the Office of Information Technology, University of North Carolina.

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INFORMATION TECHNOLOGY CONFERENCE
The CAUSE organization's annual conference on information technology in higher education is scheduled for the end of this month in New Orleans. The conference will bring together administrators, academicians and other managers of information resources. For full conference information check out <http://cause-www.colorado.edu > or send e-mail to conf@cause.colorado.edu.

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Educom -- Transforming Education Through Information Technology

Links LS STR Spotlight "The VERY BEST Keeps getting BETTER!"

LINKS LS

from Access Software

Among those who enjoy the beauty and the challenge of golf, are a select few who approach the grass canvas with the passion of Mozart and the patience of Da Vinci. Only one master of the game transcends all others as the personification of golf - Arnold Palmer. Mr. Palmer emerged from humble beginnings with the will to abandon caution in a life-long pursuit of victory. Flanked by loyal fans and determined to take the risks that defined his game, Mr. Palmer has won countless triumphs and universal admiration. Now, as the most recognized sports legend in the world, Arnold Palmer has joined forces with the most recognized sports simulator in software history - LINKS LS. LINKS LS was preceded by LINKS-The Challenge of Golf in 1989, and in 1992 by the most award-winning golf simulation of all time, LINKS 386 Pro. Like Mr. Palmer, Access Software has captured the essence of the game, and with unequaled passion and patience expanded the limits of technology to bring you the most realistic golf simulation ever!

ARNOLD PALMER AT LATROBE - THE FIRST IN OUR TOUR PLAYER SERIES

Arnold Palmer at Latrobe - the first in our series of Tour Players delivers far more than 18 holes of golf. The Arnold Palmer experience includes a virtual reality tour of Arnie's workshop, office and trophy room. Roam freely in 360 degrees and examine the tools of the trade behind the legend. Listen to Arnie give insights and recollections about his PGA and Senior PGA tours through Access Software's exclusive multimedia footage. Discover the impact Arnie's father Deacon had on the champion as he grew up in Latrobe, Pennsylvania. Chronicle Arnie's memorable triumphs that shaped his character and will. Enjoy a virtual aerial flyby over Arnie's home course while he gives tips on how to play each hole. Then tee off as or against the digitized Arnold Palmer, who not only looks exactly like Arnie, but plays with the same style and tenacity that defined the Grand Master of golf. Experience the challenge and the heritage of The Latrobe Country Club as you are tutored by a legend in sports.

KAPALUA RESORT IN MAUI - THE FIRST IN OUR RESORT SERIES

Resting on the wind-swept Coast of Maui, two stunning Hawaiian courses have been selected to inaugurate LINKS LS as the first in the series of Resort Courses. The Arnold Palmer-designed Kapalua Village Course has distinctly European flavor and a commanding view of the West Maui mountains. The 7,263 yard Kapalua Plantation Course showcases expansive slopes, deep valleys and native vegetation unique to this historic property. Between rounds, take the multimedia tours of local points of interest including the Ritz Carlton Hotel, the Kapalua Bay Hotel, and the Kapalua Resort. Enter the Virtual World in the Plantation Clubhouse with Access's exclusive VR engine (created for Under a Killing Moon and The Pandora Directive). Escape through LINKS LS into the resort community that has captured the spirit of the legendary sport.

FEATURES OF LINKS LS

After winning nearly every award for a sports simulation possible with LINKS 386, ACCESS Software had to dig deep and stretch the limits of technology to bring you the next generation of LINKS-LINKS LS. So what's new about LINKS LS? Every stroke, every blade of grass, every contour, every chirp...Everything is NEW!

UNLIMITED SCREEN RESOLUTIONS AND UP TO 16.7 MILLION COLORS

Unlimited screen resolutions means that LINKS LS can match any monitor's maximum viewing capabilities (even 1600x1200 and higher if you have the video ram). Up to 16.7 million colors means the finest in near photo realistic quality possible with today's technology. LINKS LS supports color depths of 15 bit (32,000 colors), 16 bit (64,000 colors), and 24/32 bit (16.7 million colors). You've simply never seen software this good!

TOTALLY NEW TERRAIN RENDERING ENGINE AND BALL FLIGHT MODEL

This gives LINKS LS a realism never before achieved in the gaming industry. As LINKS has always done, we render not just the hole itself but the entire course. You can literally hit your ball a half-mile out of bounds! Now, authentic ground, sand, and grass textures combing with dynamic shadows and fog to give you a course so lifelike you can almost feel the wet grass! LINKS LS features the most realistic ball flight ever. Our engineers have reworked the ball dynamics giving you true-to-life ball flight! Fade your drive just like the pros or watch as your high arching wedge shot actually backs up on the green.

GAME PLAY FORMATS

If you get tired of stroke play (standard) you can indulge in a race for cash with the NEW Skins game. Also included are Match Play and Best Ball formats. LINKS LS will keep even the shortest of attention spans interested.

MODEM AND NETWORK PLAY

With Network Play you can have up to eight players in a single game (two workstations, four players per station). There is no restriction for network protocols. As long as both workstations are mapped to one concurrent drive, you're dancin. You can play head to head with a real human opponent even if they are across the ocean. With modem play you can dial a remote computer anywhere the phone lines will reach and play a game of golf rain or shine. If you are connected an Internet service capable of accommodating modem games you can play LINKS LS with someone on a different continent avoiding the long distance toll.

54 HOLES OF CHAMPIONSHIP GOLF

Two stunning Hawaiian courses have been selected to inaugurate LINKS LS as the first in the series of Resort Courses-The Plantation and Village courses at Kapalua on the island of Maui. Along with Kapalua, Arnold Palmer's home course-Latrobe Country Club in Pennsylvania completes the 54 holes of play.

VIRTUAL REALITY-EXPLORE OUR 3-D WORLD

Ever have the feeling you've been there before? Our NEW Virtual World Tour allows you to move freely in a three-dimentional environment of the Plantation Clubhouse at Kapalua as well as Arnie's workshop and trophy room.

FOUR DIFFERENT GOLFER ANIMATION SETS

Golfer animation's include Arnold Palmer as well as a young man, a young women and middle-age male golfer. Each feature multiple reactions for both good and bad shots. Timing of golfer and swing indicator are now independent so you can witness the golfer animation in full motion video quality (up to 30 frames per second).

MULTIPLE CAMERA VIEW WINDOWS

Camera Windows are user selectable, user sizable and are capable of displaying views from any of following cameras:

´• Top View Camera-This is an overhead 'Blimp View' showing the current hole, ball flight, and the aiming marker. The user can position the aimin g marker or 'drop' from the top view.

´• Side view Camera-This is 'Side Blimp View' from a lower elevation and shows the current hole, ball flight, and aiming marker. The user can also position the aiming marker or drop in the side view.

´• Green View Camera-This camera is positioned beyond the green, about 40 feet off the ground, looking back towards the tee box. This view shows th e player animation, ball flight, and aiming marker. The user can also positi on the aiming marker or drop in the green view.

´• Chat View for network and modem play.

´• Custom Views-You can position the camera almost anywhere you choose to watch your shots like never before.

´• Profile View Camera-This camera shows an elevation profile from the ball to the pin and displays appropriate elevation and distance information.

In addition to being displayed in the normal full screen view, the aiming marker is also displayed by the top View, Side View, Green View and Custom View cameras and can be repositioned by clicking in any of these camera windows.

SUPPORT FOR ALL PREVIOUS LINKS 386 SVGA COURSES

All the Super VGA LINKS Championship Courses will be capable of being converted to the NEW LINKS LS course format.

SOUND LIBRARY EDITOR

The sound library editor allows you to use any standard wave (.wav) file and add your own sounds to most of the events in the game. For instance if you want a Bronx cheer assigned to a bogey, you can have it.

POSITION DEPENDENT 3-D STEREO SOUND

Sounds like waves crashing and dogs barking have a specific spatial position on the course. As the player approaches these locations the sounds get louder. As the player turns left or right, the sounds pan across the stereo mix and seem to come from a certain direction.

FULLY COMPATIBLE WITH WINDOWS 95 AND MS-DOS

To insure full Windows 95 compatibility, we have developed the LINKS LS Sentry. The Sentry is a windows application that runs along side LINKS LS and performs several important functions:

´• Uses Windows 95's Auto Play to launch SETUP.EXE & install LINKS LS
´• Creates a LINKS LS folder on your Windows 95 desktop
´• Checks to see if other programs that can interfere with LINKS LS are running and allows you to selectively close them
´• Maintains critical communications with Windows 95 to insure that any shutdown of LINKS LS is fully recoverable
´• Minimum of 16 MB of memory required for play under Windows 95

MINIMUM SYSTEM REQUIREMENTS

Your computer must be at least a 486 DX2 66 MHz CPU. (Not compatible with NexGen or other CPU's without math co-processor.) It must have 12MB of RAM (16MB to run in a window in Windows 95), 30 MB of free hard drive space (estimated), 2X (double speed) CD-ROM drive (MPC Level 2 compliant). Your video card must have at least 1 MB of video ram (dram, vram or wram). The VESA bios must be VESA 2.0 compliant, capable of displaying 800 x 600 resolution with 32K colors. VESA does not refer to your BUS type. A PCI video card still must have a VESA bios to be VESA compliant. To get any sound you must have at least an 8-bit sound card. A mouse is required.

OPTIMAL SYSTEM FOR LINKS LS

´• Pentium 90 MHz CPU or faster, 16+ MB RAM
´• 4x (quad speed) or higher CD-ROM
´• 2 MB Local Bus video (optimum resolution 1600 x 1200 resolution in 65,000 colors requires 4 MB RAM on video card)
´• 200 MB hard drive space
´• 16 bit industry standard compatible sound card, and a mouse.

This program. LINKS LS, is THE Golf Simulation. It is the standard by which all others, for at least the next decade, will be judged.

Kids Computing Corner
Frank Sereno, Editor

Rayman
Windows CD-ROM
approximately $35
ages 5 and up

Ubi Soft
80 East Sir Francis Drake Boulevard, Suite 3E
Larkspur, CA 94939
http://www.ubisoft.com

reviewed by Frank Sereno

Rayman is a delightful platform game that is suitable for all ages. It combines astounding animation, whimsical characters, colorful scrolling backgrounds, great music and challenging gameplay into one superb product.

Rayman’s world was one of peace and harmony under the guidance of the Great Protoon. At least it was until Mr. Dark stole it away. Now the world is unbalanced. Evil creatures are capturing the Electoons and imprisoning them in cages in several lands. You must guide Rayman on his quest to free the Electoons, release the Great Protoon and defeat Mr. Dark.

This will be no easy task as you must battle more than fifty types of enemies. When you start, you have no abilities other than to run, climb and stick out your tongue. As you progress through the game, you will find powerups and additional lives. Occasionally, you will be visited by Betilla the Fairy who will give you additional powers such as punching, grabbing, swinging, helicoptering and others. This is not just a simple fighting game or a running and jumping game. You must develop strategies for each world and each enemy. You may need to visit some worlds more than once to free all the caged Electoons because added powers will allow you to explore more of that world. If you are up to the task, you must defeat Mr. Dark to save the day and win the game.

Each character in Rayman is artfully animated. The animation is equal to that in the best films. It is done so lovingly and with such detail that Rayman seems to have a contagious joie de vivre as he skips, hops and dances across the screen. He’s a character with character that reminds me of Rockford in that classic game of the ‘80s, Boulderdash. The backgrounds are equally impressive with their fine detail and lush colors. Rayman is surely a feast for the eyes.

Ubi Soft did not forget other senses in this delightful game. The music score is varied and intriguing. Several bright and bouncy tunes really set a great mood for Rayman. About the only thing they could have added was some scratch and sniff cards to produce the smells of the many locations in the game.

This is a great game for younger children. My sons, ages 5 and 7, enjoy Rayman immensely. The game is non-violent and it is filled with humorous touches. The pace of the game is not frantic so players can plan their moves carefully. To be honest, my younger son is better at the game than me! Be sure to visit Ubi Soft’s website to download a demo of the game and to view the online strategy guide.

Rayman is a DOS program that runs under both Windows 3.1 and Windows 95. It

supports the autoplay feature of Windows 95 for easy installation and play. The options menu has several selections to promote smooth display on all systems. I would recommend running Rayman on a fast 486 (80 MHz or faster) or a Pentium CPU with local bus graphics for the best visual effects.

Rayman is the coolest and most fun platform game I have ever played. Your children and you will be enchanted by the charm of Rayman too.

Gulliver's Voyage To Lilliput
Interactive Storybook
Windows CD-ROM
Ages 6 to adult
Suggested retail $14.99

N-TK Entertainment Technology
18000 Studebaker Road Suite 200
Cerritos, CA 90703
(310) 403-0039

Program Requirements

OS:	Windows 3.1
CPU:	486/33 or greater
HD Space:	? MB
Memory:	8 MB
Graphics:	16-bit VGA 65000 colors
CD-ROM:	Double-speed
Audio:	16-bit sound card
Other:	mouse

reviewed by Angelo Marasco

Gulliver's Voyage To Lilliput is a favorite children's story that has been read to children for nearly two hundred years. Now you can have your computer read it to you and your children. Gulliver's Voyage To Lilliput is another of N-TK Technology's programs in the Memorex Software Series. It is an interactive story book based on this story from Jonathan Swift's Gulliver's Travels.

I have to admit to you that when I first received this CD I just wrote it off as a simple, boring piece of cheap software. Maybe I shouldn't jump to conclusions so quickly. This is not fancy, high-priced software, but it does have its good points.

Since Gulliver's Voyage To Lilliput is rated for children and adults, I got the chance to look at this software from an adult point of view. My first question on starting this interactive book was, "Why?" I love to read books. As with most avid readers, I love the feel of a book in my hands. Reading is a sensual experience for someone who loves to do it. It involves more than just the written words. It also involves the feel of the paper beneath your fingers, the smell of the open book, the heft of a good novel or nonfiction book. So why take all that away by displaying the book on the monitor of my computer?

Gulliver's Voyage To Lilliput deals with the loss by using sounds. Playing in the background are musical compositions contemporary to Jonathan Swift. The narrator has a very pleasant voice with a British accent. His reading style adds character and brings the words to life. I found that this combination of music and voice were pleasing to my senses despite the lack of

a book in my hands.

The illustrations on each page of the book look old, adding even more character. I don't know if the illustrations were done for the interactive book or if they come from the original book but they give you a feel for the age of this story. Included in the software are four picture puzzles made from the illustrations. The puzzles aren't very challenging, but they do provide a pleasant diversion.

Once past the opening menu and into the book, you can call up a control menu that allows you to pause the reading, place a bookmark or ask for help. The book itself runs as a sort of movie or slide show, turning its own pages and reading to you until it is told to stop.

Difficult or unusual words are highlighted so that you can click on them and get a definition. This helped the educational value rating of the software that would have really hurt otherwise.

One thing that really bothered me, though, is the fact that this software requires you to use a 16-bit (65,536 colors) VGA driver for your video. It refuses to run on anything less. All the rest of the software in my collection runs on 8-bit (256 colors) drivers. This meant that every time my children or I wanted to use Gulliver's Voyage To Lilliput I had to change my Windows setup. Why? The graphics weren't spectacular.
The colors used were flat, obviously to add to the sense of age. Why a 16-bit driver for this? This impacted both the graphics and interface ratings.

So, is Gulliver's Voyage To Lilliput worth $14.99? Since finding the actual book for less than that should be possible, this one is a tough call. If you're looking for exciting entertainment for your kids, this isn't going to cut it. However, this software fits well within my price comfort zone so I feel that it is worth buying if you intend to build a collection of interactive books. You may even want to buy it for yourself if you miss being read to. This is where Gulliver's Voyage To Lilliput really excels.

Ratings

Graphics	7.0
Sound	8.0
Interface	8.5
Play Value	5.0
Educational Value	5.0
Bang for the Buck	8.0
Average	6.92

Typing Instructor Deluxe CD
Windows CD-ROM
$39.95
ages 10 and up

Individual Software Incorporated
5870 Stoneridge Drive, Suite 1
Pleasanton, CA 94588-9900
1-800-331-3313

Program Requirements

OS:	Windows 3.1 or later
CPU:	486SX/33

HD Space: 10 MB
Memory: 8 MB
Graphics: 640 x 480, 256 colors
CD-ROM: Double-speed
Audio: 8-bit sound card
Other: mouse, speakers

reviewed by Frank Sereno

Are you looking for a program to help you or your children to learn typing or increase typing skills? Individual Software has a new title on the market that is most deserving of your attention. Typing Instructor Deluxe CD is a customizable and personalized typing tutor that makes learning fun and easy. Simply set your goals when you log into the program and it will set up a course of study to help you attain those goals.

The program features a travel theme based in a busy airport lobby. If you want to practice typing, you can go to the Magazine Rack and select from 250 articles covering many topics. At the ticket counter you can choose to take a lesson or a test. Successfully completing a test results in a new stamp in your passport. The program’s artificial intelligence will suggest which tests or lessons you should take, but you can always choose from the list. You can also go to the Virtual Adventures Arcade to play three fun typing games. You can set the level of difficulty in each of the games. Finally, you can go to the Information Booth to view videos on typing history and proper typing technique or you can review your test scores. The test results are extremely detailed to showing your words per minute rating for each finger and for each letter. I need more work on my right pinkie! The white courtesy phone is used to access online help. This interface is very easy to use.

Typing Instructor Deluxe CD uses colorful, rendered 3-D graphics to create an intriguing virtual world. The multimedia pizzazz will entertain both young and old. The program features a wide range of musical styles. Users can select their favorite type of music and beat to help them develop a rhythm to their typing. Rhythm is very important for increasing typing speed. The games are fun and provide a pleasant diversion from the lessons. The games do reinforce important keyboarding skills such as key locations, accuracy and speed.

The lessons and tests are well designed. They not only teach students keyboard locations through repetitive exercise but some exercises also teach grammar and punctuation lessons for an added bonus. A great feature is that the user can design his own typing tests. If you work in a technical field, you can design a test using that terminology to improve your typing of certain, difficult words. These customized typing tests can also be used to improve your spelling.

My one beef with the program is that it has no option for setting it up for use with a split keyboard such as the Microsoft Natural KeyboardT. On this keyboard, you cannot use your right index finger to press the "6" key, but Typing Instructor Deluxe CD does not make allowances for this and instructs you to use that finger anyway. The program comes with a 30-Day satisfaction guarantee, but you can only exchange this software for another of Individual’s titles. The disc is warranted for 120 days and out of warranty replacement cost is $15.

Typing Instructor Deluxe CD has many little nuances that make it fun and interesting. Even the manual is filled with fascinating facts. This program

is a delight to use. Even though I have been typing for twenty-five years, I still benefited from using the software. Typing Instructor Deluxe CD is an excellent program that makes touch typing easy.

Ratings

Graphics	9.5
Sound	9.0
Interface	9.0
Play Value	8.0
Educational Value	9.0
Bang for the Buck	9.0
Average	8.91

Nintendo’s 64 STR Focus "The NEW Kid on the Block!"

NINTENDO DEBUTS TRUE 64-BIT GAMING

Nintendo Introduces Revolutionary Nintendo 64;

The wait is over...Nintendo of America Inc. has unveiled the Nintendo 64 -- the world’s first true 64-bit home video game system. Visitors to E3 received the first U.S. hands-on demonstration of Super Mario 64, the revolutionary, real-time, 3-D adventure game for Nintendo 64. Other titles unveiled included WaveRace 64, PilotWings 64, Star Wars: Shadows of the EmpireTM, Cruis’n USA and Killer Instinct.

Launching in the U.S. on September 30, 1996, Nintendo 64 will be available for a manufacturer’s suggested retail price of $249.95. The system will be packaged with a revolutionary new analog joystick controller.

Nintendo also announced Nintendo 64 titles available on September 30 will be Super Mario 64, PilotWings 64, WaveRace 64, Star Wars: Shadows of the Empire, Body Harvest, TetrisPhear and Cruis’n USA. Additional titles to be launched between October and December 1996 include Buggie Boogie, Ken Griffey Jr., Blast Corps, GoldenEye 007, Super Mario Kart R and Killer Instinct. All titles will be sold separately with a manufacturer’s suggested retail price range of $49.95-$79.95.

NINTENDO 64

Technical Spec Sheet

´• MSRP: $249.95
´• AVAILABLE: September 30, 1996
´• HARDWARE FEATURES:
´• CPU: 64-bit RISC CPU; clock speed of 93.75 MHz
´• MEMORY: RAMBUS D-RAM 36-Mbit; maximum transmission speed of 4,500 Mbit/second
´• CO-PROCESSOR: SP (sound and graphics processor) and DP (pixel drawing processor) incorporated; clock speed of 62.5 MHz
´• RESOLUTION: 256 x 224 ~ 640 x 480 dots; flicker-free interlaced mode support
´• COLOR: 32-bit RGBA pixel color frame buffer support; 21-bit color video output

GRAPHICS PROCESSING FUNCTIONS:

´• Z Buffer
´• Anti-aliasing
´• Realistic texture mapping:
´• Tri-linear mip-map interpolation
´• Environment mapping
´• Perspective correction

DIMENSIONS: 10.23" x 7.48" x 2.87"

WEIGHT: 2.42 lbs.

CONTROLLER: Truly revolutionary three-grip controller with analog joystick, allowing complete 360-degree precision character movement

MASS STORAGE UNIT: 64 MB, 3-3/4" magnetic disk drive (sold separately)

NINTENDO 64 CONTROLLER

FACT SHEET

Advanced Nintendo 64 controller unleashes an entirely new era of video games, providing precise motion within 3-D environments, the result of extensive research on a variety of different prototype controllers.

Unique Controller Features:

´• 3-D Control Stick allows for unprecedented, 360-degree game movement. Subtlety allows characters to creep, walk, trot or sprint; in an auto racin g simulation, acceleration and turning are life-like
´• Memory Pack is loaded into the controller to save a player’s own game-play and controller customizations. Able to be removed and interchanged wit h other controllers, it becomes, in effect, a portable, personalized mini-system to play in conjunction with any Nintendo 64 unit
´• Z Trigger Button located on the bottom of the controller, can be used for firing weapons, activating motions or even snapping a photograph in the game
´• C Button Unit used for several different game play functions including switches in camera perspective, character positioning and combo moves in fighting games. In a 3-D world, characters can be lost behind objects. By switching the camera perspective horizontally, vertically, or by zooming in or out, visual contact is altered to improve game-play action and control.

Buttons can also be used to position characters, e.g., fielders in a baseba ll game
´• Colored Controllers available as accessories in yellow, green, blue, red, grey and black to further personalize game play. (MSRP: $29.95)
´• Four Player Capability is built directly into Nintendo 64 unit with four front-mounted controller ports

Controller Positioning:

Nintendo 64 controller is shaped with three separate grips, allowing three different hand positions:

´• Right Position (center and right grips): makes the most out of the 3-D stick -- best for holding 3-D action, racing and fighting games
´• Left Position (center and left grips): allows control of the 3-D stick and Z Trigger Button with the right hand and the control pad with the left.

Best for explosive action games like Blast Corps
´• Super NES Position (two outside grips): the traditional position for total control of side scrolling action games, action puzzle games and Role

Playing Games

NINTENDO 64 64DD

Technical Spec Sheet

MSRP: Price has not been set, however the planned 64DD price will reflect its positioning as a Nintendo 64 accessory and be priced below the main unit

AVAILABLE: Scheduled for unveiling at the Shoshinkai trade show in Japan, Fall 1996

FEATURES:

´• A high-speed, mass-volume memory magnetic disk drive for use with Nintendo 64
´• Drive attaches to the bottom of the Nintendo 64 console with 3-3/4" magnetic disks front-loaded into the unit
´• High-density magnetic disks hold 64MB of data -- approximately 16 times the data contained in the Super NES game Donkey Kong Country (4MB)

For the first time ever, players will be able to write data to game software

Players can customize and save characters and games

Unparalleled data access:

´• 150 ms (milliseconds) Average Seek Time (AST), the amount of time it takes the device to find the particular data
´• 1 MB/s Data Transfer Rate (DTR), the rate at which data is transferred from source medium to internal memory
´• Includes a 1 or 2 MB expansion RAM pack, which players install into the unique memory expansion slot of the Nintendo 64 to further enhance the memo
ry
capacity of both the magnetic disks and the cartridges

NINTENDO 64r SOFTWARE IN DEVELOPMENT

Exclusive Titles Provide Revolutionary Game Play

More than 50 software titles are currently in development for Nintendo 64.

Covering all genres including action/adventure, role-playing, sports, martial arts, racing and flight simulation, these games ensure there is something for everyone, regardless of player interest. Following is a list of several new Nintendo 64 titles currently in development:

SUPER MARIO 64
Nintendo

Created by the world's most revered video game designer, Shigeru Miyamoto, Nintendo's flagship game for Nintendo 64 combines the standard-setting game play of Super Mario Bros. with true three-dimensional scenarios created by the world's most powerful video game system. The result is Super Mario 64 -- a real-time, computer graphics interactive adventure which will raise the bar for all other video games.

Super Mario 64 contains 25 different areas to explore, SGI spotless graphics and special effects, complete 360-degree movement allowing the player to move anywhere they want in a 3-D world, and the most controllable Mario ever -- he runs, walks, squats, whirls, slides, swims, climbs, flips, soars, waves his arms, makes expressive faces and noises and, of course...jumps.

PILOTWINGS 64
Nintendo

PilotWings 64 is the sequel to another legendary Miyamoto creation - PilotWings for the Super Nintendo Entertainment System (Super NES). Under the skilled direction of Miyamoto, PilotWings 64 was developed by Nintendo and Paradigm Simulation Inc. of Texas, the leading developer of realistic simulation programs and 3-D graphics. PilotWings 64 takes players on an airborne tour through the United States, stopping at famous landmarks, including Mount Rushmore and the Statue of Liberty. Players can choose from three different vehicles -- a gyrocopter, hang-glider and jet pack -- and take 360-degree journeys through 27 different courses, performing difficult maneuvers such as pinpoint landings on mountain tops or flying in-between the buildings of a major metropolis. There is even a special feature for players to take aerial pictures.

WAVERACEr 64
Nintendo

As one of the first racing games for Nintendo 64, WaveRace 64 is a fast-paced, heart-pounding game. Real-time physics are in effect as players race personal water bikes on an open ocean with dynamic waves and environmental conditions -- wave height, direction and wind speed will influence the player's ability to control their water bike. There are several different one- or two-player modes, including a timed race through an obstacle course, a slalom course with buoys and a stunt mode. Players have the ability to upgrade their water bikes as they progress through each course.

KIRBY'S AIR RIDE
Nintendo

Kirby's Air Ride is one of the first Nintendo 64 games designed for play with up to four people. Similar to snow boarding, the game is an air board endurance challenge, which allows players to perform many different stylistic aerial stunts and maneuvers. This type of game play is possible only with the precision analog control of the Nintendo 64 Controller Stick. There will be several different modes of play, with the system generating random courses so players can have a new experience every time.

SUPER MARIO KARTr R
Nintendo

Super Mario Kart for the Super NES has been one of the most popular racing games in video game history. Developed by Nintendo, Super Mario Kart R is based upon this classic platinum sales go-kart driving game. The new game improves on the original courses and adds a revolutionary four-player mode, utilizing the four controller ports built into the front of Nintendo 64, enabling four players to compete head-to-head. There are four different game play modes: Gran Prix, Time Attack, VS. Match and the legendary Battle mode.

STAR FOXr 64
Nintendo

Star Fox 64 is based on the classic, mega-hit, multi-million selling Super NES game. The advanced technology of Nintendo 64 brings Fox McCloud and his buddies to life with rich texture-mapped images and sends them on adventures in a whole new universe.

BODY HARVEST
Nintendo/DMA

In Body Harvest, Adam Drake, the game’s hero, has to travel in a time machine to various points in time to stop the aliens who have been harvesting humans on the planet for ultimate take over. The only way to stop the harvest is to defeat the aliens with powerful alien-bashing vehicles. There are more than 130 progressively stronger vehicles scattered throughout the game, including ships, Hovercraft, aircraft, trucks and tanks.

TETRISPHEAR
Nintendo/H2O

Developed by the Canadian software developer H2O, TetrisPhear is unlike any puzzle game ever created. Following in the tradition of one of the most popular puzzle games, TetrisPhear combines the enticing puzzle solving skills of Tetris with fast-paced action, captivating 3-D graphics and explosive sound. Set in a virtual world of the future, players must remove Tetris-style blocks to penetrate the core of a rotating 3-D sphere.

STAR WARS: SHADOWS OF THE EMPIRE
Nintendo/Lucas Arts

Star Wars: Shadows of the Empire, developed by the creative minds at LucasArts exclusively for Nintendo 64, tells a brand new story in the Star Wars saga. The adventure, which falls between The Empire Strikes Back and Return of the Jedi, has players taking on the role of Dash Rendar, protector of Luke Skywalker. The game includes famous characters from both original stories including Darth Vader, Boba Fett, Jabba the Hut and the Emperor, as well as new forces of evil from the Black Sun. Shadows of the Empire includes four types of game play in two different modes - a campaign mode and an arcade mode.

CRUIS’N USA
Nintendo

The arcade driving smash hit Cruis’n USA comes home on Nintendo 64. The game takes players on a cross-country trek in their choice of four automobiles, with plenty of hidden surprises. There are several different perspectives to choose from as players race through the unique, beautifully rendered roads of

each city, including driving through the gigantic redwood forests of Northern California. The Nintendo 64 controller gives players perfect driving control from the smallest swerve to the tightest turn.

BUGGIE BOOGIE
Nintendo/Angel Studios

Developed by Nintendo and the award-winning special effects team at Angel Studios, Buggie Boogie makes players feel as if they are a real dune buggy, prone to all sorts of dynamic forces: wind, gravity, anti-gravity, tornadoes, and traction on different surfaces and slopes. Players must maneuver these dynamic forces and other obstacles while battling a family of evil buggies and bosses. To help overcome these obstacles, players can customize their buggies with interchangeable components such as engines, tires and special features, including futuristic weapons. A two-player competition mode splits the screen, becoming one screen when the players are near each other.

KEN GRIFFEY JR. BASEBALL
Nintendo/Angel Studios

The Ken Griffey Jr. series of baseball games grows with the ultimate video baseball game - Ken Griffey Jr. Baseball for Nintendo 64. Developed by Nintendo and Angel Studios using Angel’s ARTS technology and motion capture techniques, the first baseball game for Nintendo 64 is the game by which all other baseball games are compared. The players are completely rendered, and due to Nintendo 64’s ability to perform detailed physics calculations, dynamic moves of players are simulated with uncanny realism.

BLAST CORPS
Nintendo/Rare

In Blast Corps, players must clear the path for a runaway missile carrier, using powerful, high-speed bulldozers through cities and rural landscapes, knocking everything out of the way in a race against time. As players progress through the game, they can upgrade their dozers to more powerful machines, some even looking like giant humanoid robots. The most impressive visuals of the game include the incredible rendered explosions.

GOLDENEYE 007
Nintendo/Rare

Developed by Nintendo and Rare Ltd., GoldenEye 007 is based on the popular 1995 James Bond movie of the same name. The game follows the movie’s story line through a variety of game play modes, including a first-person perspective in a military installation. The realism of GoldenEye is apparent in the digitized and texture-mapped faces of the actual actors from the movie. Additionally, blueprints from the movie were used to re-create the game play environments.

KILLER INSTINCT
Nintendo/Rare

Killer Instinct became an instant number-one hit in arcades and homes due to its beautifully designed characters and backgrounds and unique combo battle system. Killer Instinct for Nintendo 64 takes that a step beyond with new moves such as Pressure Breakers, Rock-Paper-Scissor moves, Combo Breakers and Super Linkers. With fast, smooth, fluid 60 frames-per-second animations, a stunning soundtrack and the Nintendo 64 controller, Killer Instinct will revolutionize the way fighting games are played.

TUROK: DINOSAUR HUNTER
Acclaim

The first third-party publisher for Nintendo 64, Acclaim is developing a video game version of the Valiant Comics super hero - Turok: Dinosaur Hunter.

DOOM
Williams

One of the most popular first-person perspective games will come to Nintendo 64 from Williams Entertainment. The new version of Doom will feature quality graphics unlike any other Doom version and contain completely new levels and characters.

FIFA 96
Electronic Arts

Electronic Arts, one of the world's leading independent software publishers, is developing an exclusive version of FIFA 96 for Nintendo 64. The game will include never-before-seen characters, hundreds of international teams, and control functions only available on Nintendo 64.

MISSION IMPOSSIBLE
Ocean of America

Developed by Ocean of America, Mission Impossible is based on the Summer 1996 feature film of the same name starring Tom Cruise. Players choose various missions, played in the first-person perspective, loaded with the mystery, intrigue and suspense MI fans have come to know and love.

MONSTER DUNK
Mindscape

One of the most unique basketball games ever created, Monster Dunk, will be released exclusively for Nintendo 64. Mindscape's new imaginative game features famous monsters playing two-on-two basketball and performing unique and humorous basketball moves.

ROBOTECH CRYSTAL DREAM
GameTek

Based on a popular cartoon series, GameTek is developing Robotech which will allow players to become completely immersed in a world of real-time, 3-D character animation.

FREAK BOY
Virgin Interactive

Virgin is developing the action/adventure game Freak Boy exclusively for Nintendo 64.

WAYNE GRETZKY HOCKEY
Time Warner/Williams

Hockey legend Wayne Gretzky will be immortalized on the world's most powerful video game system in the exclusive hockey game from Williams Entertainment -- Wayne Gretzky Hockey. The 3-on-3 plus goalie game features every player from the National Hockey League Players Association.

MORTAL KOMBAT TRILOGY

Williams

Williams Entertainment will bring their mega-successful Mortal Kombat series to Nintendo 64 with the development of the Mortal Kombat Trilogy.

NEW NINTENDO 64 THIRD-PARTY ANNOUNCEMENTS

NBA HANGTIME
ROBOTRON X
WAR GODS
Williams

SILICON VALLEY
BMG Entertainment

ULTRA COMBAT
GT Interactive

ULTRA DESCENT
Interplay Productions

Atari: Jaguar/Computer Section
Dana Jacobson, Editor

From the Atari Editor's Desk "Saying it like it is!"

Atari shuts down and there's little online message traffic pertaining to it. How ironic. Unexpected? Perhaps not. It didn't come as much surprise to most of us. However, this "passing" will not pass by totally comment-less; I will have some thoughts in the next couple of issues as I'll have some time to really get focused as I'll be taking another vacation, and can think. <grin>

I'll also be getting back, finally, to all of you who have responded to my 'letter' a couple of weeks ago pertaining to contributions of articles. I have been delinquent in my responses, and appreciation. I'll also be completing the CDROM "reviews" that have been sitting on my hard drive for weeks - All Things Falcon and the Bird of Prey CDs, two excellent shareware/PD compilations.

In the meantime, I'm going to find a cool spot to relax, if possible, and count the hours until I can enjoy a few cold brews and hit a few golf balls - it's too hot to sit in front of a lot of computer equipment!

Until next time...

ST Format Gone! STR Focus

UK Atari Mag to Fold!

OFFICIAL: ST FORMAT Closure
From: Frank Charlton [frank@support.tachyon.co.uk]

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It is with great sadness that I can finally officially confirm the rumours that have been drifting about online for the past week or so. Future Publishing has ceased publication of ST FORMAT magazine. Issue 86, dated September 1996, will be the final issue on sale. If you have unanswered subscription problems, you should contact Future Publishing's Subs Dept., either via email to subs@futurenet.co.uk or by calling 01225-822511. If you have any queries about other matters related to the magazine, you should contact Nick Peers (npeers@futurenet.co.uk) by calling 01225-442244. Alternatively, you can mail me at frank@support.tachyon.co.uk or Frank.Charlton@dial.pipex.com.

We're all very sad to see STF close, especially so close to the Atari Shows in September. Although STF will not be officially in attendance, you should find one or two us at the Birmingham show, and possibly the London one. Don't forget to stop by and say hello :) I'm sure I speak for all of the STF writers and contributors past and present when I say we've had masses of fun producing the magazine. Never have I seen a market with such a level of closeness and friendship as I have with fellow ST and Falcon users. While some of the team will no doubt drift away, Andy and I certainly intend to stay active in the Atari market. Ad.Lib BBS is still here, and I will be contributing work to the excellent AtariPhile disk/web magazine. Other projects are on the go too, but it's not my place to say anything about that :) Someone will doubtless fill you all in on what's happening soon, so don't pester me with emails :)

Rather than see years worth of STF work go to waste, I've compiled a website - A3, the Atari Article Archive. Eventually, this will contain every piece of work by most of STF's writers, as long as we hold the copyright. An early version is active now, and you can drop into http://www.netkonect.net/tachyon/A3 to take a look. Sorry again to let you all stew among the rumours, but none of us were in a position to make an kind of statement until today. I'm posting this message across related Atari Internet newsgroups, NeST, and the CIX conferencing system. You have my permission to reproduce this message across any other BBS echo or local areas, as you see fit. This message may not be reproduced in part or whole by any publications though - purely via the BBS and Internet news networks. If anyone wants to use it for any other purpose, contact me. The sole exception to this rule is AtariPhile, who may use this if they require. I'll be back in this conference soon to chat and answer questions, but in the meantime - take care, and enjoy the final issue of STF.

Frank Charlton, STF Technical Editor and Writer, 1992-1996.

JTS News STR Spotlight

JTS CORPORATION AND VST TECHNOLOGIES TO DELIVER ...
APPLE MACINTOSH POWERBOOK COMPUTERS

SAN JOSE, Calif., Aug. 7 /PRNewswire/ -- JTS Corporation (AMEX: JTS) today announced a strategic partnership with the leading Apple Macintosh PowerBook accessory company, VST Technologies of Acton, MA using new 3-inch drive technology developed by JTS Corporation in their Expansion Bay Hard Drive designs for the Apple 190/5300 PowerBook Computers. The VST Expansion Bay Hard Drives (VST BE HD) fits into the PowerBook expansion bay which normally

houses the Apple 1.44 MB floppy drive module. The VST EB HD may be inserted "hot" and the drive will mount automatically on the desktop as a standard drive, without the need to sleep, shut down or restart the PowerBook. In addition, the PowerBook can be booted from the Expansion Bay Drives which ships with the latest MAC OS pre-installed.

Designed to lower the cost of notebook disk storage and other portable applications, JTS' Nordic 3-inch rigid disk drives offers 84% more capacity per disk and much thinner innovative "Z" height packaging than conventional 2.5-inch rigid disk drives. For 1996, shipments of the Nordic Product Family include both 10.5 mm and 12.7 mm "Z" height form factor versions with formatted capacities ranging from 640-1215 Mb (currently shipping) up to 2.0 Gb expected to be available in Q4CY96.

Founded in 1994, JTS Corporation designs, manufactures, and currently markets both 3-inch and 3.5-inch rigid disk drives for computer industry OEMs and system integrators worldwide. JTS Corporation began trading as a public company on the ASE July 31, 1996 as "JTS." Headquartered in San Jose, California, with manufacturing facilities in Madras, India, JTS employees over 4,300 people worldwide.

This release contains forward-looking statements based on current expectations that involve a number of risks and uncertainties. A number of these risks and uncertainties are discussed in the Company's registration on form S-4 filed with the Securities and Exchange Commission.

CONTACT: Ben Barnes,
Director OEM Sales of JTS Corp.,
408-468-1800

Jaguar Section

The "Final Count"? Reaction to
Atari/JTS Merger "Vote"
Jag Quake? - Uh-uh

From the Editor's Controller - Playin' it like it is!

I've had numerous requests for a "current" listing of Jaguar games as we used to carry fairly regularly when "things were going well". I've included that listing here this week. The game prices are likely to be inaccurate, but they are the last official Atari prices. I'm sure that most prices have been drastically cut since these were released. There's been a lot of online rumor-mongering regarding the likelihood of certain games coming out for the Jaguar. A couple that have been readily mentioned are Worms and Quake. "Kids Computing Corner" columnist Frank Sereno got to the bottom of one of the games, Quake. Look for those results later in this section.

We also have a reaction to the recent Atari/JTS merger shareholders' meeting - big surprise. No new news on pending games, or much of anything for the Jaguar recently. Wanted posters are out for those wayward reviews, as well as the bloodhounds. We'll get to the bottom of their whereabouts shortly! <g>

Until next time...

Jaguar Catalog STR InfoFile What’s currently available, what’s coming out.

Current Available Titles

CAT #	TITLE	MSRP	DEVELOPER/PUBLISHER
J9000	Cybermorph	$59.99	Atari Corp.
J9006	Evolution:Dino Dudes	$19.87	Atari Corp.
J9005	Raiden	$19.87	FABTEK,Inc/Atari Corp.
J9001	Trevor McFur/ Crescent Galaxy	$19.87	Atari Corp.
J9010	Tempest 2000	$32.87	Llamasoft/Atari Corp.
J9028	Wolfenstein 3D	$26.87	id/Atari Corp.
JA100	Brutal Sports FootBall	$39.99	Telegames
J9008	Alien vs. Predator	$42.87	Rebellion/Atari Corp.
J9029	Doom	$42.87	id/Atari Corp.
J9036	Dragon: Bruce Lee	$19.87	Atari Corp.
J9003	Club Drive	$19.87	Atari Corp.
J9007	Checkered Flag	$19.87	Atari Corp.
J9012	Kasumi Ninja	$19.87	Atari Corp.
J9042	Zool 2	$19.87	Atari Corp
J9020	Bubsy	$19.87	Atari Corp
J9026	Iron Soldier	$19.87	Atari Corp
J9060	Val D’Isere Skiing	$26.87	Atari Corp.
	Cannon Fodder	$29.95	Virgin/C-West
	Syndicate	$44.99	Ocean
	Troy Aikman Football	$64.99	Williams
	Theme Park	$44.99	Ocean
	Sensible Soccer		Telegames
	Double Dragon V	$54.99	Williams
J9009E	Hover Strike	$30.72	Atari Corp.
J0144E	Pinball Fantasies	$42.50	CWest
J9052E	Super Burnout	$42.87	Atari Corp.
J9070	White Men Can’t Jump	$32.87	Atari Corp.
	Flashback	$54.99	U.S. Gold
J9078E	VidGrid (CD)		Atari Corp
J9016E	Blue Lightning (CD)	$59.99	Atari Corp
J9040	Flip-Out	$32.87	Atari Corp
J9082	Ultra Vortek	$42.87	Atari Corp
C3669T	Rayman	$59.99	Ubi Soft
	Power Drive Rally	$59.99	TWI
J9101	Pitfall	$42.87	Atari Corp.
J9086E	Hover Strike CD	$49.99	Atari Corp.
J9031E	Highlander I (CD)	$49.99	Atari Corp.
J9061E	Ruiner Pinball	$42.87	Atari Corp.
	Dragon’s Lair	$49.99	Readysoft
J9097E	Missile Command 3D	$49.00	Atari Corp.
J9091E	Atari Karts	$49.99	Atari Corp.
J9044E	Supercross 3D	$49.99	Atari Corp.
J9106E	Fever Pitch Soccer	$49.99	Atari Corp.
J9043E	I-War	$49.99	Atari Corp.
J9069	Myst (CD)	$49.99	Atari Corp.
	Primal Rage	$59.99	Time Warner
	Battlemorph	$49.99	Atari Corp.
J9055	Baldies	$49.99	Atari Corp.
J9089	NBA Jam TE	$57.99	Atari Corp.
	Zoop	$42.99	Atari Corp.
	Space Ace	$52.99	Readysoft
	Defender 2000	$59.99	Atari Corp.

	...Mutant Penguins	$49.99	Atari Corp.
	Braindead 13	$52.99	Readysoft
	Fight for Life	$69.99	Atari Corp.

Available Soon? (RSN)

CAT #	TITLE	MSRP	DEVELOPER/PUBLISHER
	Breakout 2000	$42.50	Atari Corp.
	World Tour Racing	TBA	Atari Corp.
	Max Force	$59.99	Atari Corp.
J9021	Brett Hull Hockey	$59.99	Atari Corp.
	Battlesphere	TBA	4-Play

Hardware and Peripherals

CAT #	TITLE	MSRP	MANUFACTURER
J8001	Jaguar (no cart)	$99.99	Atari Corp.
J8904	Composite Cable	$19.95	
J8901	Controller/Joypad	$24.95	Atari Corp.
J8905	S-Video Cable	$19.95	
	CatBox	$69.95	Black Cat Design/ICD
J8800	Jaguar CD-ROM	$149.99	Atari Corp.
J8908	JagLink Interface	$26.76	Atari Corp.
J8910	Team Tap 4-Player Adapter)	$26.76	Atari Corp.
J8907	Jaguar ProController	$27.87	Atari Corp.
J8911	Memory Track	$26.76	Atari Corp.
J8909	Tempest 2000: The Soundtrack	$12.99	Atari Corp.

Jaguar Online STR InfoFile - Online Users Growl & Purr!

Atari Shareholder Reaction to Merger Meeting

From GEnie:

Yes, the Atari JTS did go through as expected. No one opposed it at the shareholders meeting. This year, the meeting was held in a conference room at a lawyer firm. It looked like only close high-level Atari associates were there. I think I was the only casually dressed person (i.e. outside shareholder) there. <grin> Only about 10-20 people showed up.

The meeting started out with a summary of the merger and then the vote took place. After that, the meeting was adjourned. All in less than 30 minutes too. Even Leonard Tramiel pointed out how incredibly short it was.

No information was given on the fate of the rest of the Jaguar inventory. Every question I asked about it was responded with a "It’s in JTS’ hands now. We have nothing to do with it." Then I was referred to call JTS’ CFO for more information. Meanwhile, Atari will continue to operate out of the TINY office in Sunnyvale.

Overall, a very short and not very exciting meeting. Usually, I would write an article on the meeting like I’ve done for the last two years, and then

submit it to a magazine. But this message is what the article
would look like. (i.e. not much)

-Phil

So, What is the Deal With Jaguar Quake?

Re: Quake for Atari Jaguar
Date: 5 Aug 1996
From: "Lori Mezoff"
To: "Frank Sereno"

"...Id software had a hand in producing two games for the Jaguar, Wolfenstein
3D and Doom. Rumors abound that they are working on a version of Quake for
Atari. Could you, for the record, either confirm or deny the future
publishing of Quake for the Atari Jaguar?"

Thank you,

Frank Sereno

RE>Quake for Atari Jaguar

Hi Frank,

Sorry, there will be no QUAKE for the Jaguar.

Lori

That should kill one rumor...

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EDITORIAL QUICKIES

ATTENTION: VIRUS ALERT VIRUS ALERT VIRUS ALERT

Federal Bureaucrat Virus -- Divides your hard disk into hundreds of little units, each of which do practically nothing, but all of which claim to be the most important part of the computer.

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